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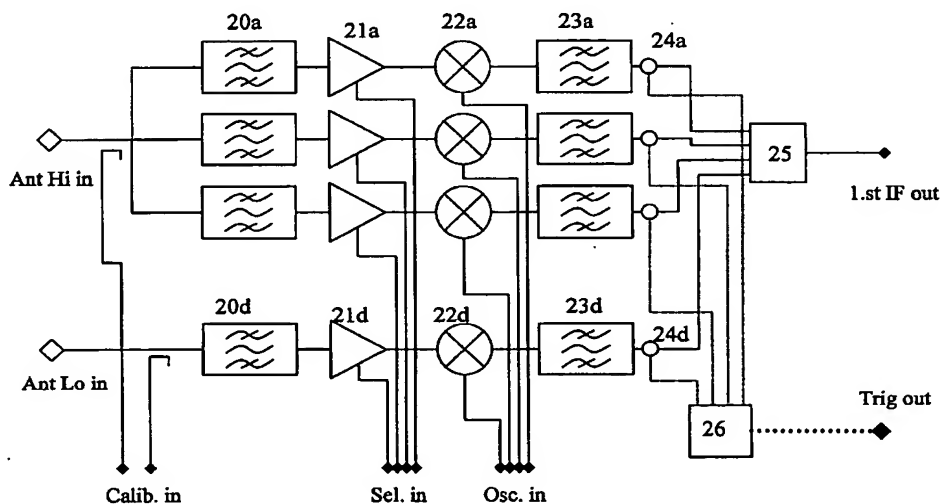
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(54) Title: A METHOD FOR DETECTING THE PRESENCE OF RADAR SIGNAL EMITTERS, AN ELECTRONIC SUPPORT MEASURES UNIT AND A SYSTEM FOR DETERMINING THE POSITION AND IDENTITY OF SAID EMITTERS



(57) Abstract: A method for passively detecting the presence of radar signal emitters, in which an ESM unit receives radar signals with a number of antennas, each antenna covering a sector of the surrounding terrain. In order to conserve bandwidth, a technique is used, in which receiving channel is slit into a number of sub-bands. Each sub-band is converted to an IF channel. The individual IF channels are combined into a common IF channel in an adder. This process is repeated once more in order to bring the signals down to baseband, where they are digitized and processed to find the direction to and the identity of the emitter source. A number of ESM units are connected to a control centre. In the control centre the position of the radar emitter is determined by triangulation. In addition, the identity of the emitter is determined by comparison with known emitter signatures stored in a database.



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